

## PERFORMANCE BENCHMARKS

402.07F

### Construction of a Water Chute

**Discipline:** Salvage  
**Effective:** 1/1/2001  
**Revised:** 7/5/2010  
**Replaces:** Firefighter Benchmark #55

*Anne Huff, Fire Chief*

#### I. Objective

The firefighter shall demonstrate and describe the proper method of constructing a water chute using the “Straight Ladder and Two Salvage Cover” method. The firefighter will have a maximum time limit of six (6) minutes to complete this skill.

#### II. Instructions – Procedures for Achieving the Objective

Given two salvage covers and a straight ladder which is longer than either cover, you will demonstrate the splicing of the two covers and their proper placement on the ladder to form a water chute to remove water. You will have six (6) minutes to complete this skill. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### III. Examiner’s Note

The firefighter will not be allowed to review the performance steps at the time of testing.

#### IV. Preparation & Equipment

- A. Two salvage covers
- B. Straight ladder

*Note: The firefighter shall accomplish the skills wearing protective trousers, boots, and helmet.*

#### V. Reference Sources

- A. TCFP, Performance Standards, Section 107-2.00, 2.01
- B. NFPA, National Fire Protection Agency 1001 3-3.13(b)
- C. IFSTA, Essentials of Fire Fighting, 4<sup>th</sup> Edition, pages 614-616

## 402.07F - Construction of a Water Chute

### Discipline: Salvage

Name:	Officer #:
Evaluator:	Officer #:
Date:	Location:

**If the firefighter:**

**(No partial points given)**

- a) Fully spreads the covers out, removing most creases and wrinkles..... 1.0 \_\_\_\_\_
- b) Rolls one long edge of one cover up to the center line of the cover ..... 1.0 \_\_\_\_\_
- c) Rolls the other long edge of the same cover up to the center line ..... 1.0 \_\_\_\_\_
- d) Inverts the cover and places it on the lower portion of the ladder,  
pulling each roll from underneath the chute to the nearest beam  
of the ladder ..... 2.0 \_\_\_\_\_
- e) Rolls one long edge of the second cover up to the center line of  
the cover ..... 1.0 \_\_\_\_\_
- f) Rolls the other long edge of the second cover up to the center line ..... 1.0 \_\_\_\_\_
- g) Inverts the second cover and places it on the upper portion of the  
ladder, overlapping the first cover to prevent any leakage, pulling  
each roll from underneath the chute to the nearest beam ..... 2.0 \_\_\_\_\_
- h) Elevates the tip end of the ladder to simulate elevation change ..... 1.0 \_\_\_\_\_
- i) Completes all the steps in the allotted time..... 1.0 \_\_\_\_\_

**ALLOTTED TIME FOR SKILL: 6 minutes**

**Time \_\_\_\_\_ minutes \_\_\_\_\_ seconds**

Points Possible	Passing Score	Attempt	Performance Rating (Points)	PASS	FAIL
11	8	First			
		Second			
		Third			